



SAE J1939 - GPS Module With 9-Pin Deutsch Connection Cable

The GPS Module by Copperhill Technologies reports a vehicle's position, direction, speed, plus time and date in accordance to the SAE J1939 Standard, making it suitable for fleet management applications.

GREENFIELD, Mass. - Feb. 13, 2020 - [PRLog](#) -- The jCOM.J1939.GPS device connects to an [SAE J1939](#) network and reports the vehicle position (PGN 65267 - Latitude & Longitude) with a five second frequency, according to the SAE J1939-71 Standard. The GPS module also responds to requests for Time & Date (PGN 65254) and delivers Vehicle Direction & Speed (PGN 65256) at a 1-second interval. The jCOM.J1939.GPS comes with a switchable 120 Ohm termination resistor, which is per default activated.

The integrated J1939 protocol stack automatically determines the CAN Bus data rate (250/500 kbps) and negotiates a node address in the range of 128 to 247. The GPS data is broadcast by using the global destination address (255 = 0xFF). The device's firmware can be updated on-site per the integrated RS232 port, which also allows the loading of customer-specific features. Any further GPS-related data, as defined in NMEA 0183, can be added on request.

A free-of-charge Windows software tool allows testing the module without attaching to a vehicle network. It also manages the on-site firmware update procedure.

The content of delivery includes the jCOM.J1939.GPS module, the GPS antenna (preferred installation location is the driver cabin, i.e. close to the wind shield), and the [SAE J1939 cable](#) suited for a 9-pin Deutsch connection.

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